



NOVEL GENES ENCODING PROTEINS HAVING  
DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES

Abstract of the Disclosure

5        The invention provides isolated nucleic acids encoding a variety of proteins and nucleic acids having diagnostic, preventive, therapeutic, and other uses. These nucleic acids and proteins are useful for diagnosis, prevention, and therapy of a number of human and other animal disorders. The invention also provides antisense nucleic acid molecules, expression vectors containing the nucleic acid molecules of the 10 invention, host cells into which the expression vectors have been introduced, and non-human transgenic animals in which a nucleic acid molecule of the invention has been introduced or disrupted. The invention still further provides isolated polypeptides, fusion polypeptides, antigenic peptides and antibodies. Diagnostic, screening, and therapeutic methods utilizing compositions of the invention are also provided. The 15 nucleic acids and polypeptides of the present invention are useful as modulating agents in regulating a variety of cellular processes.